

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/815,264

DATE: 12/27/2001
TIME: 16:08:06

Input Set : D:\Pa2_00329.txt
Output Set: N:\CRF3\12272001\I815264.raw

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1 <110> APPLICANT: Boukharov, Andrey A.
2 Cao, Yongwei
3 Dotson, Stanton B.
4 Koshi, Jeffrey M.
5 Kovalic, David K.
6 Liu, Jingdong
7 McIninch, James
8 Wu, Wei
10 <120> TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
12 <130> FILE REFERENCE: 38-21(51237)G
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/815,264
C--> 14 <141> CURRENT FILING DATE: 2001-03-23
14 <150> PRIOR APPLICATION NUMBER: US 09/620,392
15 <151> PRIOR FILING DATE: 2000-07-19
17 <150> PRIOR APPLICATION NUMBER: US 09/702,134
18 <151> PRIOR FILING DATE: 2000-10-31
20 <160> NUMBER OF SEQ ID NOS: 109669
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23 <211> LENGTH: 1501
24 <212> TYPE: DNA
25 <213> ORGANISM: Oryza sativa
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47 cgcactatga ataaaataaa gaatcgacac ctttaagcat tataagtacc agttctcaag 600
49 aaaaaccgat aacaataata tgagtgccag ttctagcaca aaaaccggta caaatattat 660
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61 taccttctcc cggtagcggg ggcggctgca aggagacagc ggcggcggcc gcaaggaggc 1020
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65 gccaacgtca gcgagatgtc agcatgaaac ctaggcacag atgccatgct tcttccatgt 1140
67 tctcatgttg aaaattcatg ccaattattt ctatcacact caatgacgat tgcggcgggc 1200
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85 <213> ORGANISM: Oryza sativa
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93 tccctcttgg gctgatttcg gcctggacga caccgatcgt ccgatcttta gggttttgat 180
95 cggacggccg agcgtcgata tcggggaaac aaaacccctc cttctcctca gccgccgaaa 240
97 ccctagccca tttccctccc tcccatctca catcgccgcc ctcccctccg cgcccccgag 300
99 cggcggcgac ggcgcctctc tccccgcgag cggcggcggc ggcgcctcc cccacaacca 360
101 acggcgcggc gccctctccc cgaacaacgg cgggtgtggag ggcgctgcgg cccggcgagg 420
103 gtgggagggg cggcaggccg gacctgcct ccgccagatc tggcggcatg gaagcggctg 480
105 tgggtccggc agggcaggag aggcggcggc gtcgtctctt tctctctctc tgtgcatggt 540
107 ggggaggtgc ggcagtgggt gtggtggcgg acgtcatgga acgccggtcg ggcctgcct 600
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111 ccggacctcg cctccgccag attcggcggc atggaggcgg ctgcgggtccg acggggggcg 720
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123 aaacttaagt aagtgggtgg gaagaataag gaaacatgca cacttttaac tccccccccc 1080
125 ccaacaagaa aagagagctt tactacctca aatacctata tgcatgcatg caaacccaat 1140
127 tttcatgctt agatgtagta actacaccaa cattacataa taatcaactt gaaatttttg 1200
129 attttagtc aattgatgat aatatataac ggatggaata tttcatattg gctggtgcat 1260
131 tgtgcggcaa ggccgcatct attttctagt aattaattat tccaaaatta gagatacaat 1320
133 aaaacgcttt atccaaacgg cgtcgggtgac gccaacgaca ctggttggag ttggacacgc 1380
135 cgaccccaca cgcagcgaca caaaacggc ggggattact tcgccgttaa ggcgtacact 1440
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143 <211> LENGTH: 1501
144 <212> TYPE: DNA
145 <213> ORGANISM: Oryza sativa
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153 ttaagaatta ttatactaca catagtagta caatttacat ccaattacct ttaagatttt 180
155 ttttgtggtc ttcaccttct caaatatcaa ctgaaatata aaaatttcta catccagttt 240
157 agttgacctt cagttattag ttattaggat aaaaatataa atatacttat acaaatatgc 300
159 gctagtatat tttcaaaata agtacttaaa aattgaattt attgaaaaaa tactccaaat 360
161 aattaagttg tcacataact ttttaattta ttgtatcaaa atcgtaacct tcttgcaagt 420
163 tgttgatatt atacaatcac ttataaagtt tttatactaa attgcacctt cctgccaagt 480
165 tattgtgcta gaatgctaatt ttcttaagtt attataccaa attgcacca cctgccaagt 540
167 tgatgcacca tggatgcaat ttactcttga tatttttttg gtgagaatgt ggaggggtat 600
169 actcaccacc tctaataaaa ggggtgattgc aaccactcat ccattcccact cccccaacca 660
171 aacaaaaaaa atggattacc atatccactt tcattccctac aaccaagggt gtgttttagtt 720

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173 cacaccaaaa ttgaaagttt ggttgaaatt ggaacaatgt gacggaaaag ttaaaaattt 780
175 atgtgtgtag gaaagttttg atgtgatgaa aaagtttagaa gtttgaagaa aaagtttgga 840
177 actaaacaag gcccaaacaa aaaactggat cgccatattc actcaaaaaa aaaactggat 900
179 cgccatatcc agcaaaatat ggaccgccat atcccatcca accttgaccg ggagccaaac 960
181 acaccgtcag gatggaagag gctccaacct tctcaaataa atgctgcctt aggagttagg 1020
183 tctgatttat ggttttagttt ccaacttttt cttcaaactt tcaacttttc tgtcacatcg 1080
185 tttcaatttc aatcaaattt tcaatttttg cgtgaactaa acacaccatt acaggtctcg 1140
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189 attttattga atttcgtggt tagagttgta ttcaacgacc agtggcggtc ctgtgccgga 1260
191 ccttcttgct cagcaagaag cccaagttgg gcctcaaaag cccactgcgt gagctcctcc 1320
193 tcctccgatt ctctcctcg acttcgaacc tcgacgcctg catccgcac cgcctccgcc 1380
195 tcgcctccgc cctccgcgc gaactcgccg ccgcgcgcgc catgtcggtg agtgccccc 1440
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203 <211> LENGTH: 1501

204 <212> TYPE: DNA

205 <213> ORGANISM: Oryza sativa

207 <400> SEQUENCE: 4

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213 tttggtgtga actaaacaca cccttggttg tagggatgaa agtggatatg gtaatccatt 180
215 ttttttgttt ggttggggga gtgggatgga tgagtgggtg caatcaccct ttcatlagag 240
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223 aatacaacia cttgcaagat aggtacgatt ttgatacaat aaattaaaaa gttatgtgac 480
225 aacttaatta tttggagtat tttttcaata aattcaattt ttaagtactt attttgaaaa 540
227 tatactagcg catatttgta taagtatat tttttttt tcttaataac taataactga 600
229 aggtcaacta aactggatgt agaaattttt atatttcagt tgatatttga gaaggatgaag 660
231 accacaaaaa aaatcttaaa ggtaattgga tgtaaatgtt actactatgt gtagtataat 720
233 aattcttaaa gattaaattt aatattataa ggtaatatcc atatgattac tatgcaataa 780
235 catactgaca tcgtaaaaaa agctcacct agcatatgtt tagccaagtt gatacatcaa 840
237 aatattaaat tgttaagttc ttgtactaga acacactcac atgtcaagtt gttgcattcg 900
239 gacgttcaat tctcaagttc ttatactata tcgcacccac ctgccaagtt attgtaccgt 960
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243 aaataaataa aagggaagga agaaaaagga aaaaaaatc ttctcgaaat cgccggccgc 1080
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262 <210> SEQ ID NO: 5

263 <211> LENGTH: 1501

264 <212> TYPE: DNA

265 <213> ORGANISM: Oryza sativa

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267 <400> SEQUENCE: 5

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273 aaaaataaat aatatccaaa attagaaaaa ttaaaagaga gttcaagtag gaatacaatt 180
275 ttgaaacaac tgaaatctgt actattaaaa attgaagatg tttttgccgg tataaaaaaa 240
277 cagaaaaaaa ggagaaaaag aacttctatg taaaaaaaaa cgtccgactc cataaaaaaa 300
279 gtccgactat ctgtggagaa aaaaaggcaa gaaaaaataa aaaaaagaga aaaaaaaact 360
281 tctaccgtat aaaaaaataa aaagggtccga ttctgtacg attgcctcga aaaaggactt 420
283 tttgtccgta atcttctctt ctcttctact tctactattt ttttaaaaga aacctctact 480
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287 cggttttataa atttgttcgc ttttgaaaaa atatatatcc tttgagttga tttttaagtt 600
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293 agtgaattaa gactaaaata gttgtcaccc gttgcagcgc acgggctttt ctcttgaaaa 780
295 taaaaaataa aaatattaaa agaacacaat acgatattaa ttaaaatttg aaaaaaaaat 840
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309 ggggtgtaca ggagtatagt tgcagagccg ccaacggttg acgggacttc taggaaataa 1260
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322 <210> SEQ ID NO: 6

323 <211> LENGTH: 1501

324 <212> TYPE: DNA

325 <213> ORGANISM: Oryza sativa

327 <400> SEQUENCE: 6

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333 ccagagaaaa tggatatatta gccatgttca aaacacgggt tgcctagaat gccatcccga 180
335 aaatgcgatt cgataaaatg ccaatatgaa gcgtgcgtct accgccactt tggcattttt 240
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347 cccttcaagc cgtccccacc gaccgcctcc accatgcggc gccaccgtta cgttgcccac 600
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351 ttgccatgcc tatgtgcgc gtcgtgcgc ccgccgccgc catgctctcg ctgcgcgct 720
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355 gcctccaacg ctactcgcg cgatcccgc gcgtggacct cgtacaccgg gcgctcctgc 840
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359 cggcctcgcc ccgtcccaca ccatcgtcga cgcccttgtc agcaacgaag accacctcgc 960
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367 agccgctttt tgaacgtggc caaatatcca ttttctcgtc aatgccacgg catgtttgag 1200
369 ttagcaaaaa ctgaacacga taaaaataga gcaatttgta caaatgacgac aaatagaggt 1260
371 gtcgaaatga aaatttcctt tctagcgaag agaaggagaa gcacgcacgc agcacgtgaa 1320
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375 gccgccgccg ccgccgccgc ctcatcaccg gaaaccctag ccccatctgc cgcggtcgcc 1440
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379 a 1501

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383 <211> LENGTH: 1501

384 <212> TYPE: DNA

385 <213> ORGANISM: Oryza sativa

387 <400> SEQUENCE: 7

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393 cgtgtgcgga tttaggttga tgagaaaaaa taaagatgtt cgttattcaa accagatgtc 180
395 tgtaaccggt caatttcacc attaaactaa ctcatgatcg agtcgagtca gtgatgagtc 240
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435 ttataaaacc ccgcctcctc ccacctcctc tctctctcct tctctctcct ctctcgctcg 1440
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443 <211> LENGTH: 234

444 <212> TYPE: DNA

445 <213> ORGANISM: Oryza sativa

447 <400> SEQUENCE: 8

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453 agccccgttg tagttgacgg gggcgggggac agtgacatat tttcaccgtg gtgacgggga 180
455 cacgggcatg accccgacgg tgaattaacc attgccatct ctattaacac caga 234

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VERIFICATION SUMMARY

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Input Set : D:\Pa2_00329.txt

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:2697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:2703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:8774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154
L:8778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154
L:8782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154
L:12981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228
L:13458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236
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L:24650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:434
L:24656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:434
L:27017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:475
L:29890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:524
L:30033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:526
L:30035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:526
L:30080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:527
L:30082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:527
L:30791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:539
L:30793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:539
L:30795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:539
L:30799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:539
L:30801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:539
L:36470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:641
L:36563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:642
L:58444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1014
L:61993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1075
L:63986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1109
L:70605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1220
L:75168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1299
L:75383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1302
L:79378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1371
L:82013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1418
L:82206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1421
L:83565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445
L:83698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1447
L:94097 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1629
L:98324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1704
L:101239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1756
L:103772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1800
L:104193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1807

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/815,264

DATE: 12/27/2001

TIME: 16:08:07

Input Set : D:\Pa2_00329.txt

Output Set: N:\CRF3\12272001\I815264.raw

L:106366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1849
L:106368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1849
L:111175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1932
L:111352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1935